marantz®

Model SR-14 User Guide

AV Surround Receiver

ENGLISH

WARRANTY

For warranty information, contact your local Marantz distributor.
RETAIN YOUR PURCHASE RECEIPT
Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Marantz.

IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

FRANÇAIS

GARANTIE

Pour des informations sur la garantie, contacter le distributeur local Marantz.

CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sur pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec Marantz.

IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

DEUTSCH

GARANTIE

Bei Garantiefragen wenden Sie sich bitte an Ihren Marantz-Händler.

HEBEN SIE IHRE QUITTING GUT AUF

Die Quittung dient Ihnen als bleibende Unterlage für Ihren wertvollen Einkauf Das Aufbewahren der Quittung ist wichtig, da die darin enthaltenen Angaben für Versicherungswecke oder bei Korrespondenz mit Marantz angeführt werden müssen.

WICHTIG!

Bei Garantiefragen muß der Kunde eine Kaufunterlage mit Kaufdatum vorlegen. Ihren Quittung oder Rechnung ist als Unterlage ausreichend.

NEDERLANDS

GARANTIE

Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke Marantz.

UW KWITANTIE, KASSABON E.D. BEWAREN

Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt, verwijzing bijv, in verbend met verzekering of bij correspondentie met Marantz.

BELANGRIJK

Bij een evt, beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuurzijn voldoende bewijs.

ESPAÑOL

GARANTIA

Para obtener información acerca de la garantia póngase en contacto con su distribuidor Marantz.

GUARDE SU RECIBO DE COMPRA

Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor, Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o se ponga en contacto con Marantz.

IMPORTANTE

Cuando solicite el servicio otorgado por la garantia el usuario tiene la responsabilidad de demonstrar cuá¥do efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

ITALIANOI

Condizioni di garanzia

L'apparecchio e' garantito per 365 giorni dalla data di acquisto comprovata da un documento attestante il nominativo del rivenditore e la data di vendita. La garanzia sara' prestata con la sostituzione o riparazione gratuita delle parti difettose.
Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di tunzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.
Gli apparecchi verranno riparati presso i nostri Centri di Assistenza. Le spese ed i rischi di trasporto sono a carico del cliente.
La casa costruttrice declina ogni responsabilita' per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale.
Per informazioni sull'abbonamento al Servizio Assistenza postgaranzia e per conoscere l'indirizzo dei Centri Assistenza Marantz rivolgetevi al nostro servizio consumatori (telefono 1678-20026 - numero verde).

PORTUGUÊS

GARANTIA

Para informações sobre a garantia, contactar o distribuidor Marantz local.

GUARDAR O RECIBO DE COMPRA

O recibo é o registo permanente da compra que fez. Deve ser guardado num local seguro, para ser apresentado em questões relacionadas com o seguro ou para quando tiver de contactar a Marantz.

IMPORTANTE

Quando procurar assisténcia técnica ao abrigo da garantia, é da responsabilidade do consumidor estabelecer a prova e data de compra. O recibe é prova adequada.

SVENSKA

GARANTI

För information om garantin, kontakta Marantz lokalagent.

SPAR KVITTOT

Kvittot är ett inköpsbevis på en värdefull vara. Det skall förvaras säkert och hänvisas till vid försäkringsfall eller vidkorrespondens mod Marantz.

VIKTIGT

Fö att garantin skall gälla är det kundens sak att framställa bevis och datum om köpet. Kvitto eller faktura är tillräokligt bevis fö detta.

DANSK

GARANTI

Henvend dem til Deres MARANTZ-forhandler angående inrformation om garantien.

GEM DERES KVITTERING

Deres købskvittering er Deres varige bevis på et dyrt køb. Den bør gemmes godt og anvendes som bevis, hvis De vil tegne en forsikring, eller hvis De kommunikerer med Marantz.

VIGTIGT

Det påhviler forbrugeren at skaffe bevis for købet og købsdatoen, hvis han eller hun ønsker garantiservice. Deres købskvittering eller faktura er et fuldgyldigt bevis herpå.

ENGLISH

INTRODUCTION 3
DESCRIPTION 3
FEATURES 3
FRONT PANEL FEATURES 4
REMOTE CONTROL UNIT RC5000 5
SET-UP 9
- ON-SCREEN MENU SYSTEM 9
- OSD MAIN MENU 10
- SYSTEM SETUP 10
- SET-UP AND CALIBRATION 11
- SURROUND MODE 12
- REC COPY 12
- MULTI ROOM SELECT 13
- STATION NAME INPUT 13

BASIC OPERATION 13
- LISTENING TO THE TUNER 13
- RDS OPERATION 14
- PLAYBACK OPERATION 15

OTHER FUNCTIONS 16
- MULTI ROOM SELECTOR 16
- TV AUTO ON/OFF FUNCTION 16
- SETTING THE SLEEP TIMER (ONLY REMOTE CONTROL UNIT) 16

SURROUND MODES 17
TROUBLESHOOTING 19
TECHNICAL SPECIFICATIONS 21

ENGLISH

FOREWORD

This section must be read before any connection is made to the mains supply.

WARNINGS

Do not expose the equipment to rain or moisture.
Do not remove the cover from the equipment.
Do not push anything inside the equipment through the ventilation holes.
Do not handle the mains lead with wet hands.

EQUIPMENT MAINS WORKING SETTING

Your Marantz product has been prepared to comply with the household power and safety requirements that exist in your area. SR-14 can be powered by 230 V AC only.

IMPORTANT: (For UK version)

This apparatus is fitted with an approved moulded 13 Amp plug.
To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 13A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.
If the mains plug contains a fuse, this should have a value of 13A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Note:
The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured in accordance with the following code:
BLUE—"NEUTRAL" ("N")
BROWN—"LIVE" ("L")

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead — not simply over the two wires.

COPYRIGHT

Recording and playback of any material may require consent. For further information refer to the following:

— Copyright Act 1956
— Dramatic and Musical Performers Act 1958
— Performers Protection Acts 1963 and 1972
— any subsequent statutory enactments and orders

ABOUT THIS USER GUIDE

Refer to the figures on page iv of this user guide. The numbers on the figures correspond to those in the text. All references to the connections and controls that are printed in **BOLD** type are as they appear on the unit.

PRECAUTIONS

The following precautions should be taken when operating the equipment.

GENERAL PRECAUTIONS

When siting the equipment ensure that:

— the ventilation holes are not covered;
— air is allowed to circulate freely around the equipment
— it is on a vibration free-surface;
— it will not be exposed to interference from an external source;
— it will not be exposed to excessive heat, cold, moisture or dust;
— it will not be exposed to direct sunlight;
— it will not be exposed to electrostatic discharges

Never place heavy objects on the equipment.
If a foreign body or water does enter the equipment, contact your nearest dealer or service centre.
Do not pull out the plug by pulling on the mains lead, hold the plug.
It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the mains supply.

PRECAUTIONS IN CONNECTION

- Be sure to unplug the power cable from the AC outlet or turn off the POWER switch before proceeding with any connection.
- Connect one cable at a time observing the "input" and "output".
  This will avoid any cross connection between channels and signal inputs and outputs.
- Insert the plugs securely. Incomplete connection may result in noise.
- Prior to connecting other audio and video equipment to the SR-14, please read their owner's manuals.

INSTALLATION

If this unit or another electronic device incorporating a microcomputer is used at the same time with the tuner or television, picture disturbance or noise may occur. In such a case, install the unit according to the following guide points.

- Separate the unit as far as possible from the tuner or television.
- Place the antenna wire for the tuner or TV apart from the power cable and audio and video connection cables of this unit.
- Since the phenomenon is likely to occur when using an indoor antenna and/or 300-ohm feeder wire, we recommend using an outdoor antenna and 75-ohm coaxial cable.

INTRODUCTION

Thank you for purchasing the Marantz SR-14 THX/ DTS/Dolby Digital Surround receiver. This remarkable component has been engineered to provide you with many years of home theater enjoyment. Please take a few minutes to read this manual thoroughly before you connect and operate the SR-14. As there are a number of connection and configuration options, you are encouraged to discuss your own particular home theater setup with your Marantz A/V specialist dealer.

DESCRIPTION

DIGITAL dts SURROUND

DTS Technology was founded in 1994 to offer its 5.1 channel system of discrete digital audio to home theater systems. DTS brings premiere quality, discrete multi-channel digital sound to movie and music discs. The original DTS motion picture sound system was designed to create full range digital sound reproduction using a theater's existing audio system.
The no compromise DTS digital process sets the standard of quality for cinema sound by delivering an exact copy of the studio master recordings to neighborhood theaters. Now, every moviegoer can hear the sound exactly as the moviemaker intended.

DOLBY DIGITAL

The Dolby Digital surround system lets you enjoy Digital TV, Digital Satellite Receiver as well as DVD, LD software in digital surround, which is the next step above Dolby Pro Logic. In comparison with Dolby Pro Logic, Dolby Digital provides separate left surround and right surround channels, for more precise localization of sounds and a more convincing, realistic ambience. And, with Dolby Digital, all five main channels are full ranges and a subwoofer can be added to each channel ,if desired. By providing up to 5.1channels of digital audio independently, Dolby Digital lets you enjoy better sound quality and more powerful presence than conventional Dolby Surround.

LUCASFILM THX ULTRA

THX® is an exclusive set of standards and technologies established by the world-renowned film production company, Lucasfilm Ltd. THX resulted from George Lucas' desire to reproduce the movie soundtrack as faithfully as possible both in the movie theater and in the home theater.
THX engineers developed patented technologies to accurately translate the sound from a movie theater environment into the home, correcting the tonal and spatial errors that occur. When the THX mode of the SR-14 is on, three distinct THX technologies are automatically added:
Re-Equalization-restores the correct tonal balance for watching a movie in a home environment. These sounds are otherwise mixed to be brighter for a large movie theater. Re-EQ compensates for this and prevents the soundtracks from being overly bright and harsh when played in a home theater.
Timbre Matching-filters the information going to the surround speakers so they more closely match the tonal characteristics of the sound coming from the front speakers. This ensures seamless panning between the front and surround speakers.
Adaptive Decorrelation-slightly changes one surround channel's time and phase relationship with respect to the other surround channel. This expands the listening position and creates with only two surround speakers the same spacious surround experience as in a movie theater with multiple surround speakers.
The Marantz SR-14 was required to pass a rigorous series of quality and performance tests, in addition to incorporating the technologies explained above, in order to be THX Ultra certified by Lucasfilm Ltd.

THX Ultra requirements cover every aspect of performance including pre-amplifier and power amplifier performance and operation, and hundreds of other parameters in both the digital and analog domain. Movies which have been encoded in Dolby Digital, DTS, Dolby Pro Logic, stereo and Mono will all benefit from the THX mode when being viewed. The THX mode should only be activated when watching movies which were originally produced for a movie theater environment. THX need not be activated for music, movies made especially for TV, or shows such as sports programming, talk shows, etc. This is because they were originally mixed for a small room environment.

ENGLISH

"Dolby", "AC-3", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.
"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.
"Lucasfilm" and "THX" are registered trademarks of Lucasfilm Ltd.

FEATURES

- High quality DTS/Dolby Digital (AC-3) DSP decoding circuit.
- High quality THX DSP decoding circuit.
- 5 Digital inputs, for connection from other sources, such as DVD, DSS, CD or LD.
- 2 Digital outputs for connection to CD-R or MD.
- Digital Dolby Pro Logic decoding provides wide dynamic range, low distortion, and high imaging accuracy.
- 96 kHz PCM Digital Audio reproduced in STEREO.
- Integral AM/FM tuner.
- On Screen Display with Composite and "S" video outputs.
- Composite and "S" video switching.
- Component video switching.
- Separate dedicated Multi-Room stereo pre-amp outputs and composite video outputs provide for dual zone independent operation.
- Infrared remote control with learning capability.
- Radio Data System (RDS) provides information on FM broadcasts.

ENGLISH

FRONT PANEL FEATURES (SEE PAGE iv)

① POWER switch and STANDBY indicator

You can turn on and off the unit's power using the front panel power switch. However, if you turn the unit off with the front panel switch, the unit goes completely off rather than to the "standby mode" (red LED indicator light glows in the standby mode). The unit cannot be turned on with the remote control when it is not in the standby mode. When the red LED is on, the unit can be turned on via the remote control or by pressing any input selector button on the front panel.

② PHONES jack for stereo headphones

Conventional dynamic headphones can be plugged in here.

Notes:

When the headphones plug is inserted, the surround mode is switched automatically to **STEREO** and the sound from the speakers is muted.

The surround mode returns to the previous mode as soon as the plug is removed from the jack.

③ Surround MODE buttons

(AUTO, DOLBY, THX, DTS, HALL, MATRIX, MOVIE, STEREO/MONO)

Selects the surround modes.

When these buttons are pressed, the SURROUND mode is changed.

④ A/D (ANALOG/DIGITAL) selector button

If you select an input source which is linked with any digital input, and you desire to switch to an analog input temporarily, you can switch by pressing the A/D button.

Note:

This button is not effective for an input source which is not linked with any digital input.

⑤ ATT (Attenuate) button

Press this button to attenuate an analog AUDIO signal. When the analog input signal is too great and distortion occurs even when reducing the SR-14 VOLUME control, turn on the ATT function. "ATT" is displayed when this function is activated.

The signal-input level is reduced by about the half. Attenuation will not work with the output signal of "REC OUT" (TAPE, CD-R/MD, VCR1 and DSS/VCR2 output). This function is memorized for each individual input.

⑥ BAND (Tuner Band Selector) button

Press this button to switch between the FM mode and AM (MW / LW) mode of the tuner.

Tuner band is changed in the following sequence.

FM → MW → LW → FM → ...

⑦ FM MODE button

Press this button to select the auto stereo mode or mono mode when the FM band is selected. The AUTO indicator lights in the auto stereo mode.

⑧ MEMO (memory) button

Press this button to enter the tuner preset memory numbers and station names.

⑨ CL (Clear) button

Press this button to cancel the station-memory setting mode or preset scan tuning.

⑩ D. (Digital) COPY button

Press this button for digital dubbing to a CD-R recorder or MD deck. When this button is pressed, the digital source of the DIGITAL OUTPUT is switched in the following sequence.

SOURCE → DIG.1 → DIG.2 → DIG.3 → DIG.4 → OFF

⑪ TAPE COPY button

Press this button for audio dubbing to a tape deck.

When this button is pressed, the source from the TAPE OUT is switched in the following sequence.

SOURCE → TUNER → CD → CD-R/MD

⑫ S. (SOURCE) DIRECT button

When this button is pressed, the audio signals bypass the tone control circuitry for the purest fidelity.

Notes:

The surround mode is switched automatically to STEREO when the source direct function is turned on.

The source direct button is functional with digital input sources when theinput signal is a PCM signal.

If a Dolby Digital signal or DTS signal is input to the SR-14 in this mode,output from the SR-14 will be muted.

⑬ VCR1 COPY button

Press this button for video and audio dubbing to a VCR1 deck.

When this button is pressed, the source from the VCR1 OUT is switched in the following sequence.

SOURCE → TV → LD → DVD → DSS/VCR2 → AUX

⑭ BASS and TREBLE tone controls

These controls are used to boost or cut high and low frequencies.

TREBLE: Adjusts the tone of high-frequency sound.

BASS: Adjusts the tone of low-frequency sound.

Notes:

These buttons are unavailable in THX CINEMA mode.

For flat frequency response press the up and down keys simultaneously.

⑮ AUX input jacks

These auxiliary video/audio input jacks accept the connection of a camcorder, portable VCR, etc.

To make proper connections, refer to the owner's manuals of the auxiliary components.

⑯ VOLUME control knob

Adjusts the overall sound level. Turning the control clockwise increases the sound level The relative output is expressed in decibels on the display.

⑰ AUTO TUNING button

When this button is pressed and the **GYRO TUNING** knob is turned quickly, the frequency is scanned while turning the **GYRO TUNING** knob. The Auto scan function starts when the **GYRO TUNING** knob is stopped.

⑱ PRESET button

Press this button to display the preset number. The preset number is changed by turning the **GYRO TUNING** knob.

⑲ MULTI (Multi Room) button

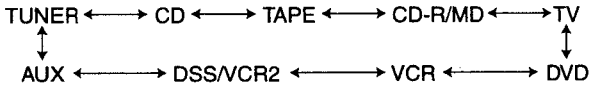
Press this button to switch the unit to multi room mode.
"MULTI ROOM" appears in the display.

⑳ DISPLAY OFF button

When this button is pressed, the display is turned off and the display off indicator lights up (DISP). Press this button again to turn the display ON again.

㉑ INPUT SELECTOR knob

When this knob is turned, the input signal is switched in the following sequence.



This knob can also be used to turn the unit's power on when it is in the standby mode.

㉒ GYRO TUNING knob

Turn this knob to change the frequency or the preset number. The station name can be selected with this knob.

㉓ INFRARED SENSOR window

This window receives infrared signals from the remote control unit.

㉔ ENCODED CHANNEL STATUS indicator

These indicators show which channels are encoded with a digital input signals.
If the selected digital input signal is Dolby Digital 5.1ch or DTS 5.1ch, "L", "C", "R", "LS", "RS" and "LFE" will light up.
If the digital input signal is 2 channel PCM-audio, "L" and "R" will be displayed.

Note:

These indicator depend on the digital input, without reference to the surround mode.

㉕ PEAK indicator

This indicator monitors the analog audio input signal. If the selected analog audio input signal overdrives the DSP circuits, distortion may occur which could damage your speakers and this indicator will light. If this indicator lights, you should press the ATT button.

㉖ DTS CINEMA and MUSIC indicator

These indicators display the currently selected DTS mode. If you select DTS cinema or DTS-music with the surround mode button, these indicators will illuminate accordingly.

㉗ 96 kHz decode indicator

This indicator is for a 96 kHz PCM digital input signal. If the selected digital input signal is 96 kHz PCM audio, this indicator will illuminate.

㉘ VIDEO SOURCE indicator

Indicates video source currently selected.

ENGLISH

REMOTE CONTROL UNIT RC5000

This chapter describes the functions which control the SR-14. Please look at the user guide of the RC5000 for operation instructions.

[1] MUTE button

This button can be used to mute the sound temporarily.

[2] CHANNEL UP (+) AND DOWN (-)

These buttons are used to raise and lower the TV, VCR or Tuner channel.

[3] VOLUME UP (+) AND DOWN (-)

These buttons are used to raise and lower the main system or TV volume level.

[4] CONTRAST (+, –) dial

This dial is used to adjust the contrast of Touchscreen.

[5] BACKLIGHTING button

This button is used to activate the back-lit LCD screen and back-lit keys.

[6] TOUCHSCREEN

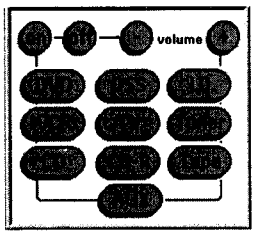
Touchscreen is used to activate the various functions and operations. The followings describe the PreAmp mode for SR-14.

General

Home button
This button is used to return to initial display.

Page scroll buttons
These buttons are used to select any pages of this devise.

Page 1/7 at PreAmp mode

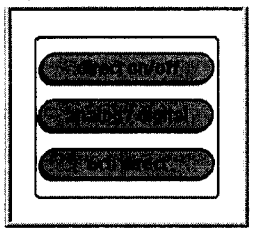


on / off buttons
These buttons are used to turn on or off SR-14

FUNCTION buttons
(DVD, DSS, LD, VCR, TV, Tuner, CD, CD-R, Tape, AUX)
These buttons are used for selecting an input function.

– volume + buttons
These buttons are used to increase or decrease the SR-14 volume level.

Page 2/7 at PreAmp mode

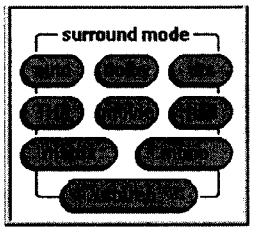


direct on / off button
This button is used to transmit the signals by bypassing the tone control circuitry. Therefore, the signals can be reproduced with higher quality.

analog/digital button
This button is used to switch between the analog input and the digital input.

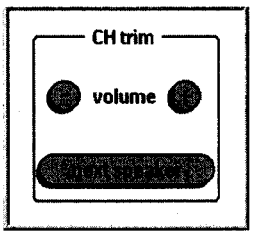
6ch button
This button is used to play the surround processor which is connected to the DIRECT IN JACKS.

Page 3/7 at PreAmp mode



Surround mode buttons
(auto, dolby, dts, THX, movie, hall, matrix, mono, stereo)
These buttons are used to select the SURROUND mode.

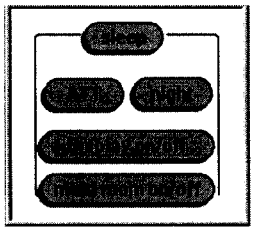
Page 4/7 at PreAmp mode



– volume + buttons
These buttons are used to adjust the volume level of the front, center, surround, subwoofer channels. These level controls are for temporary adjustment.

next speaker button
This button is used to select the channel to adjust the volume level.

Page 5/7 at PreAmp mode



sleep button
This button is used to set the sleep timer.

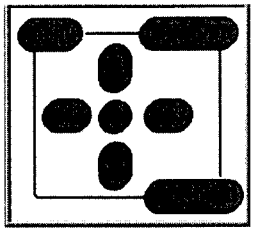
ATT button
This button is used to attenuate for analog input

night button
This button is used to set night mode. This feature reduces the input level of dolby digital sources by 1/3 to 1/4 at their loudest thresholds, preventing the dynamic range or loud sounds without restricting the dynamic range or volume of other sounds or at less than maximum levels.

Display on/off button
This button is used to turn off the display.

multi room on/off
This button is used to switch the unit to multi room mode. When this button is pressed, this page is changed to page 1/7.

Page 6/7 at PreAmp mode

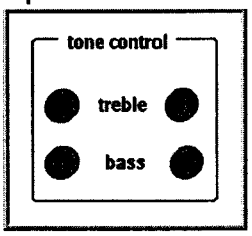


menu, ok, and ^ / v / < / > buttons
These buttons are used to navigate within on-screen menus.
(Refer to"ON-SCREEN MENU SYSTEM" on page 10.)

osd on/off button
This button is used to turn on and off the On Screen Display. When OSD is turned on, SR-14 can be setup by using the on-screen menus.
(Refer to "ON-SCREEN MENU SYSTEM" on page 10.)

exit menu button
This button is used to turn off the on screen menu system.

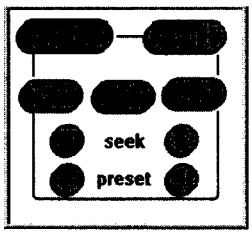
Page 7/7 at PreAmp mode



treble +/– buttons
These buttons are used to adjust the tone of high-frequency sound.

bass +/– buttons
These buttons are used to adjusts the tone of low-frequency sound.

Page 1/3 at Tuner mode



Band button
This button is used to switch the band of the tuner.

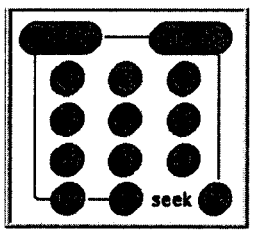
LW MW FM button
This button is used to switch between FM, MW, and LW mode of the tuner.

– seek + buttons
These buttons are used to change the frequency.

– preset + buttons
These buttons are used to change the preset station.

mode button
This button is used to select the auto stereo mode or mono mode.

Page 2/3 at Tuner mode

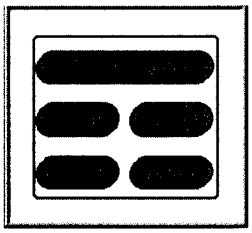


memo button
This button is used to enter the tuner's preset memory numbers and station names.

ten keypad (0,1 - 9)
These buttons are used to change the preset station.

– seek + buttons
These buttons are used to set a preset radio station and station name.

Page 3/3 at Tuner mode



stereo/memo button
This button is used to select the auto stereo mode or mono mode when the FM band is selected.

scan button
This button is used to start a scan automatically through the stations preset into the receiver's memory.

RDS/DISP button
This button is used to change the display.

RDS/PTY button
This button is used to recall and decide PTY (program type) group.

sleep button
This button is used to set the sleep timer.

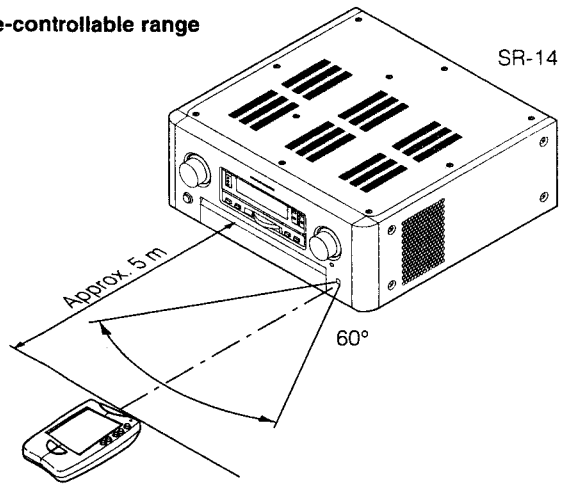
ENGLISH

OPERATION OF REMOTE CONTROL UNIT

1. Remote control

The distance between the transmitter of the remote control unit and the IR SENSOR of the SR-14 should be less than about 5 meters. If the transmitter is pointed to a direction other than the IR SENSOR or if there is an obstacle between them, remote control may not be possible.

Remote-controllable range



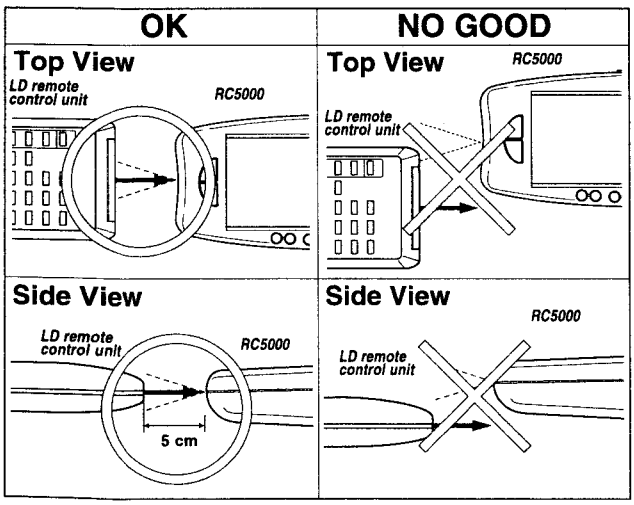
Remote control unit (RC5000)

2. Receiving the remote control codes

The RC5000 can learn most of the remote control codes from various equipment, it learns the full word length of the code it is receiving.
Due to the sensitivity of the receiving LED the RC5000 may also "learn" noise from fluorescent lights, etc. which can quickly fill up the memory of the RC5000.
In order to maximize the memory capacity of the RC5000 please pay close attention to the following:

(1) Aim the transmitting remote control at a direct line of sight to the RC5000 remote receiver eye.

(2) Keep 5 cm between transmitting remote and the RC5000 receiving eye.



SET-UP

ON-SCREEN MENU SYSTEM

The SR-14 incorporates an on-screen menu system, which makes various operations possible by using the cursor and **ok** buttons on page 6 at PreAmp menu on the remote unit.
The settings made with these buttons are also shown in the on-screen display.

Note:

- The default TV format of this menu system is set to PAL. This TV format will change automatically NTSC or PAL, comply with selected input video signal.

OSD MAIN MENU

```
OSD MAIN MENU

SURROUND MODE
REC COPY
MULTI ROOM SELECT
STATION NAME INPUT
SYSTEM SETUP
SPKR SETUP / LEVELS

EXIT
```

SURROUND MODE

```
SURROUND MODE

MODE  : STEREO

NIGHT MODE : OFF

LFE LEVEL  : 0dB

RETURN TO MAIN/EXIT
```

SYSTEM SETUP 1/2

```
Input    RF Dig1234 Ana
CD          □---  -
TAPE        ----  ■
CD-R/MD     --■-  -
TV          ----  ■
LD       ■  ----  -
DVD      -  ---■  -
VCR1        ----  ■
DSS/VCR2    -■--  -
TO OTHER SYSTEM SETUP
```

SETUP 1/2

```
SETUP 1/2 SPKR SETUP

SETUP     UNLOCKED

FRONT CH    : SMALL/THX
SURR CH     : SMALL/THX
CENTER CH   : SMALL/THX
SUBWOOFER   : ON    /THX

TO NEXT SETUP MENU
```

REC COPY

```
REC COPY

VCR1     : SOURCE

TAPE     : SOURCE

DIGITAL  : SOURCE

RETURN TO MAIN/EXIT
```

SYSTEM SETUP 2/2

```
6CH. DIRECT: OFF

TV AUTO     : DISABLE

BACK COLOR : COLOR-1

CHARACTER POSITION
-----■----- :   0

RETURN TO MAIN/EXIT
```

SETUP 2/2

```
SETUP 2/2 SPKR DISTANCE
  UNIT  :      feet
SPK L   :  10 feet
SPK R   :  10 feet
SPK C   :  10 feet
SPK LS  :  10 feet
SPK RS  :  10 feet
SPK SW  :  10 feet
           ENTER
TO LEVEL MENU
```

MULTI ROOM SELECT

```
MULTI ROOM SELECT

MULTI ROOM : OFF
VISUAL  : TV
AUDIO   : TUNER
VOLUME  : VARIABLE
LEVEL   : -90dB
 ----------------

RETURN TO MAIN/EXIT
```

LEVEL 1/2

```
LEVEL 1/2 SPKR LEVEL
TEST TONE : OFF
MODE      : MANUAL
FRONT L   :  0 dB
 ■   ■   ■
 ■   ■   ■
TO NEXT LEVEL MENU
```

STATION NAME INPUT

```
STATION NAME INPUT

PRESET NUMBER : 1
  FM  87.50 MHz AUTO
NAME :      :
CHARACTERS
 ABCDEFGHIJKLMNOPQRST
 UVWXYZ1234567890 - + /

RETURN TO MAIN/EXIT
```

LEVEL 2/2

```
LEVEL 2/2 BASS LEVEL
  BASS PEAK LEVEL

TEST SIGNAL : STOP
VOLUME      : -75dB
 ----------------

      ENTER

RETURN TO MAIN/EXIT
```

ENGLISH

OSD MAIN MENU

```
OSD MAIN MENU

SURROUND MODE
REC COPY
MULTI ROOM SELECT
STATION NAME INPUT
SYSTEM SETUP
SPKR SETUP / LEVELS

EXIT
```

1. Press the **PreAmp** button on the remote unit.
2. Press any one of cursor or **ok** button on page 6 at PreAmp mode to display the "MAIN MENU" of the on-screen display menu. The cursor can be moved up and down with cursor buttons ^ and **v**. When select a desired item the input source, press the **ok** button.

SYSTEM SETUP

SYSTEM SETUP 1/2 (SELECTING THE DIGITAL INPUT)

```
Input    RF Dig1234 Ana
CD          □---  -
TAPE        ----  ■
CD-R/MD     --■-  -
TV          ----  ■
LD       ■  ----  -
DVD      -  ---■  -
VCR1        ----  ■
DSS/VCR2    -■--  -
TO OTHER SYSTEM SETUP
```

Four digital inputs and RF input can be assigned as the desired source. Use this menu to set the SR-14 for connected equipment and type of connection.

Example;
When the digital output of the DVD player is connected to Digital 4 (input jack) of the SR-14;

1. Move the cursor on the line of the DVD with cursor buttons ^ and **v**.
2. Move the cursor on "Dig 4" with cursor buttons ^ and **v**.
3. Press the **ok** button to complete.

When the AC-3 RF output of the LD player is connected to the RF IN (input jack) of the SR-14 and the digital output of the LD player is connected to Digital 2 (input jack) of the SR-14, select the line of the LD and set the "RF" and "Digital 2".

Notes:

- The TUNER and AUX are fixed to the analog input, and cannot select any digital input.
- The RF input is available for LD or DVD, and can be linked with Digital 1,2,3 or 4.

  If RF input is linked with any Digital input, once the RF signal is not supplied, SR-14 will switch from the RF input to the digital input automatically.
- If you connect an LD player, you should connect not only the RF output but also Digital output for Laser Discs which are not encoded with Dolby Digital.
- While the DTS-LD or DTS-CD is playing, this setup is not available.

  This is to avoid noise being generated from analog input.

  Stop the LD or CD playback to setup.
- SR-14 does not switch from digital input to analog input or vice versa automatically.

  In case both digital and analog input are connected to SR-14, if you desire to switch to analog input temporarily, you can do so by pressing the **A/D** button ④.

SYSTEM SETUP 2/2

```
6CH. DIRECT: OFF
TV AUTO      : DISABLE
BACK COLOR   : COLOR-1
CHARACTER POSITION
-----■----- :  0
RETURN TO MAIN/EXIT
```

6CH. DIRECT: 6 channel direct inputs on the SR-14 share the front channel of the desired source. Select the desired source with < or > button. Press the **ok** button to complete.

TV AUTO: This product is equipped with a TV-auto ON/OFF system, which automatically turns on or off the TV power 1 seconds to 5 minutes after the TV video input signal is present or absent.
Switch the TV AUTO ON/OFF function to enable or disable with < or > button. To use this function, connect the TV video input to TV tuner's video output.

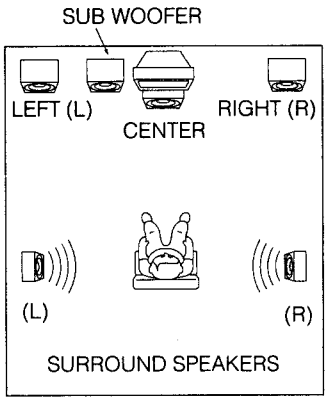
ONSCREEN DISPLAY BACKGROUND COLOR: The background color of the OSD system can be any of 6 colors. Select the color number with < or > button. At this time, the background color will be changed to selected color number.

CHARACTER POSITION: The position of the character being displayed can be adjusted by +5 or -5 steps in each vertical direction. Select the desired position with < or > button. Press the **ok** button to complete. All characters of the OSD menu will be displayed at the selected position.

SPEAKER SETUP AND LEVELS

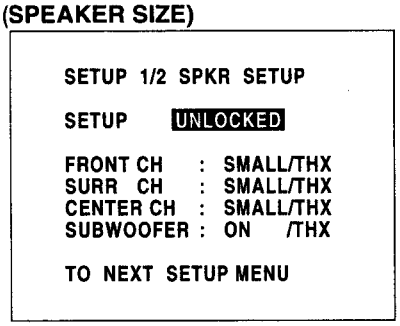
The home theater system you already have installed should function provided that there are left, center and right front speakers, left and right rear/surround speakers and a subwoofer. For best results we recommend that the front speakers be of the same type, with identical or similar driver units. This will deliver smooth pans across the front sound stage as the action moves from side to side.
Your center channel speaker is very important as over 80 % of the dialog from a typical motion picture emanates from the center channel.
Rear channel speaker need to be identical to the front channel speakers, but they should be of high quality. One of the benefits of Dolby Digital (AC-3) and DTS is that surround channels are full range, while they were frequency limited in earlier "Pro Logic' type systems. Bass effects are also an important part of home theater. For optimal enjoyment a subwoofer should be used as it is optimized for low frequency reproduction. If you have full range front speakers, however, they may be used in place of a subwoofer with proper setting of the switches in the menu system.

Speaker system configurations (diagram, as currently used)



If possible, mount the surround speakers on the walls to the sides of the viewing area, 2-3 feet above seated viewers, firing straight across at each other.

SETUP1/2 (SPEAKER SIZE)



SETUP: Select "LOCK" with < or > button in order to lock the contents of the four SPEAKER SET UP MENU.
Then, when the contents of the these setup menus needs to be changed, select "UNLOCK".

SPKR setup (Speaker setup)

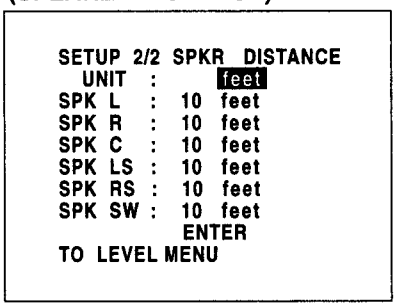
- This menu enters the information about which type of speakers will be used for each channel
- If you use THX speaker systems which are approved by LUCASFILM LTD, set to the SMALL position for FRONT CH, SURR. CH, and CENTER CH and then select SUBWOOFER =ON
- In turn, these settings will determine which speakers receive low frequency (bass) information.

  For the purpose of establishing proper bass reproduction, use the LARGE settings if the speaker being used at any position is a traditional full-range loudspeaker that is capable of reproducing sound below 80 Hz.
  Use the SMALL setting for smaller, frequency-limited satellite speakers that are not able to reproduce sounds below 80Hz.
  Note that when "small" speakers are used it is advisable to install a separate subwoofer
- If the Surround speakers or Center speaker will not be used, set NONE for each speaker. The NONE setting will send the audio for the surround channels or Center channel to the front left/right speakers.

FRONT CH.: Select the type of front speakers with < or > button.
SURROUND CH.: Select the type of surround speakers with < or > button.
CENTER CH.: Select the type of center speaker with < or > button.
SUBWOOFER: Switch the subwoofer speaker ON or OFF with < or > button.

Notes:
The SUBWOOFER cannot be set to OFF when the front speakers are set to SMALL.
This speaker size setup will not function in the SOURCE-DIRECT or 6CHANNEL-DIRECT.

SETUP2/2 (SPEAKER DISTANCE)


SETUP 2/2 SPKR DISTANCE
UNIT : feet
SPK L : 10 feet
SPK R : 10 feet
SPK C : 10 feet
SPK LS : 10 feet
SPK RS : 10 feet
SPK SW : 10 feet
ENTER
TO LEVEL MENU

SPEAKER DISTANCE for Time Alignment
Use this parameter to specify the distance of the speaker's position from the listener.
The delay time is automatically set according to this distance.

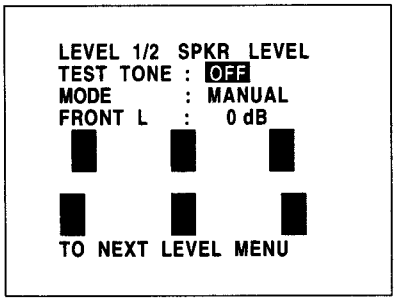
UNITS: The units is be able to select "FEET" or "METER " with < or > button. If you select "FEET" the setting parameter will change in 1 foot increments. If you select "METER" it will change in 0.3 meter increments.

SPK L= (Front L channel)
SPK R = (Front R channel)
SPK C = (Center channel)
SPK LS = (Surround L channel)
SPK RS = (Surround R channel)
SPK SW = (Subwoofer channel)

Input each speaker's distance with < or > button. Select speaker with ^ or v button. After input for each speaker's distance has been finished move to cursor to **ENTER** and push **ok** button.

Notes:
The maximum distance a speaker may be placed is 30 feet (9 meters) from the listening position. Placement beyond that distance is beyond the range of the automatic time delay feature. The delay feature does not function in the STEREO, SOURCE-DIRECT or 6 CHANNEL DIRECT modes.

LEVEL 1/2 (SPEAKER LEVEL BY TEST TONE)



SPKR LEVEL

TEST TONE: Press the **ok** button, ON is indicated and the test tone starts from the front L-CH speaker. Press the **ok** button again, OFF is indicated and the output of the test tone will stop.

MODE: Select the mode for generating the test tone. If you select AUTO, test tone will be output in a circular pattern which is Left → Center → Right → Surround Right → Surround Left → Subwoofer → Left →... 3 seconds for each channel. If you select MANUAL, press the **ok** button to select the test tone channels at the channel item.

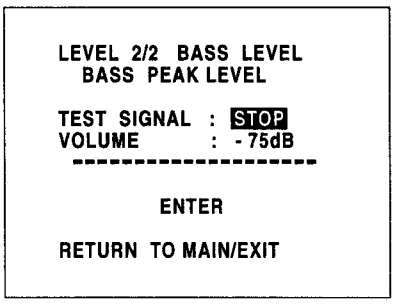
Channel: Adjust the level of test tone for each channel with the **<** / **>** buttons of the RC5000. The current volume level is shown at the center of the display.

Notes:

The setup level for each channel is memorized for reproduction in all surround mode. These levels are common for all surround modes, except 6CH-DIRECT mode.

In order to correctly set the output levels, use a hand-held Sound Pressure Level meter (SPL), set to C-Weighting and Slow averaging. A Radio Shack® SPL meter (catalogue number 330 - 2055) works well. Using the internal channel noise generators, set each channel so that you read 75 dB SPL from each channel."

LEVEL 2/2 (BASS PEAK LEVEL LIMIT)



With Dolby Digital and DTS , not only the LFE (Low Frequency Effects), but also the bass of all channels can be heard from the Subwoofer or Large-speakers. This procedure prevents these speakers from becoming too loud and creating an unbalanced sound. Since the sound is output at a loud volume, perform this operation carefully.

TEST SIGNAL: Press the **ok** button, START is indicated and it begins to generate a Bass test tone from the speaker which was designated "large" during setup. There will be no audi b le sound yet because the Master volume i s set to minimum automatically. Press **v** button to move the cursor to VOLUME control.

VOLUME: Adjust the bass test tone output level up until the bass begins to distort or you reach the maximum level with **VOLUME + / –** or **<** / **>** button. Press **v** button to move the cursor to ENTER.

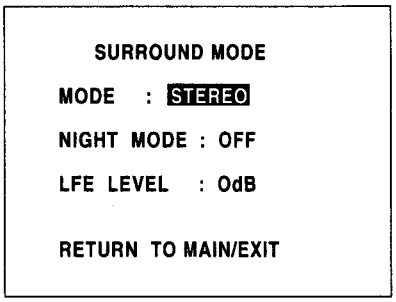
ENTER: Press the **ok** button, ENTER will blink and stop generating the Bass - test tone. The Bass Peak Limit Level for your system has now been memorized.

Notes:

Each time the subwoofer level is changed, perform the Bass Peak Level setup and correct the setting. The bass peak limiter is not effective in STEREO, or SOURCE-DIRECT and 6CHANNEL-DIRECT modes are selected.

The selected value is displayed in the volume column before the test signal starts.

SURROUND MODE

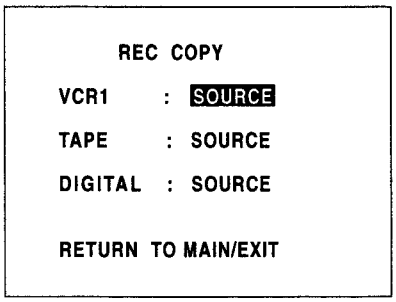


MODE: Select the surround mode with **<** or **>** button.

NIGHT MODE: Switch the NIGHT MODE ON or OFF with the **<** or **>** button. Selecting the Night Mode ON is effective in Dolby Digital only, and it compresses the dynamic range by up to 1/4 to 1/3. This softens loud passages such as sudden explosions, to help prevent disturbing others late at night.

LFE LEVEL: Select the output level of the LFE signal included in the Dolby Digital signal or the DTS signal. Select 0 dB, -10 dB or OFF with **<** or **>** button. The level is ordinarily set to 0 dB except DTS-Music mode. In the DTS-Music mode, default level is set to -10 dB.

REC COPY



VCR1 COPY

Select the visual source from the VCR1 output with **<** or **>** button for video and audio dubbing to the VCR1 deck.

The source is switched in the following sequence.

SOURCE → TV → LD → DVD → DSS/VCR2 → AUX → SOURCE → .....

To determine each source, display the desired source and press the **ok** button or **^** / **v** button.

TAPE COPY

Select the audio source from the TAPE output with **<** or **>** button for audio dubbing to the tape deck.

The source is switched in the following sequence.

SOURCE → TUNER → CD → CD-R/MD → SOURCE → ....

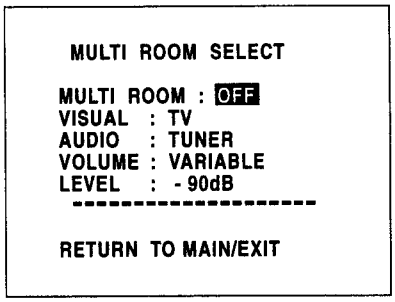
To determine each source, display the desired source and press the **ok** button or **^** / **v** button.

DIGITAL COPY

Select the digital source from the DIGITAL output with < or > button for digital dubbing to a CD-R recorder or MD deck.
The source is switched in the following sequence.
SOURCE → DIG.1 → DIG.2 → DIG.3 → DIG.4 → OFF → SOURCE →
To determine each source, display the desired source and press the **ok** button or ^ / vbutton.

Notes:
VCR and TAPE outputs can only send a signal from an analog source connected to the SR-14. If you select a source which is only connected to a digital input, no signal will be available to output to a VCR or TAPE deck from the analog output. If you expect to do dubbing from digital source equipment to analog equipment, then you should connect the digital equipment's analog outputs into the SR-14's analog inputs in addition to making the digital connections. Conversely, a digital source may only be dubbed using the DIGITAL output, which must in turn be connected to a digital input of a digital recording device such as the DR700 or DR-17 CD recorder.
Remember-you can only dub analog to analog or digital to digital.

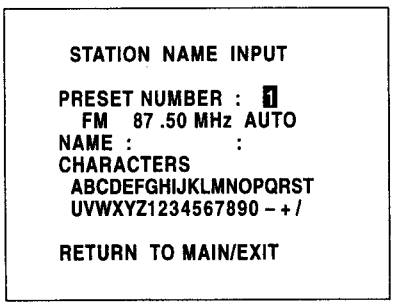
MULTI ROOM SELECT



MULTI ROOM: To switch on the Multi-room output, move " " with < or > button.
VISUAL: Select the visual source of the Multi-room output with < or > button.
AUDIO: Select the audio source of the Multi-room output with < or > button.
VOLUME: Select whether the Multi-room output level is to be made variable or fixed with < or > button.
LEVEL: Adjust the Multi-room output level with < or > button.

Note:
As described in the notes above, multi-room sources must also be analog. You cannot transmit a digital signal using the multi-room function.
If "VOLUME" is set to "FIXED", the multi-room output level cannot be adjusted.

STATION NAME INPUT



Use this menu to add names to your preset stations.

1. Enter the preset number you wish to name using the **PRESET** button ⑱ and then scrolling with the **GYRO TUNING** knob ㉒ until you reach the desired preset station.
2. The station will be displayed (including the name if you have already assigned one). In either case, the cursor will blink at the first letter of the station name.
3. Press the **ok** button or use the < / > buttons on the remote to position the cursor where you want it.
4. Use the ^ / v buttons to select the desired character
5. Place the cursor over the character you wish to enter using the ^ / v/ < / > buttons. Press the **ok** button when you are at the character you want.
6. Repeat steps 3 to 5 to enter additional characters. You can enter up to 8 characters in total.

BASIC OPERATION

LISTENING TO THE TUNER

MANUAL TUNING

1. To select the tuner as the source, turn the **INPUT SELECTOR** knob ㉑ on the front panel or press the **Tuner** button on the remote.
2. Press the **BAND** button ⑥ on the SR-14 or **band** button on page 1/3 at Tuner mode on the remote to select the desired frequency band if required.
3. Press the **AUTO TUNING** button ⑰ on the SR-14 to display the frequency.
4. Turn the **GYRO TUNING** knob ㉒ on SR-14 or press **– seek +** button on page 1/3 at Tuner mode on the remote.
5. If FM is selected, press the **FM MODE** button ⑦ on the front panel or the **mode** button on page 1/3 at Tuner mode on the remote to select the desired audio mode.

AUTO TUNING (USING THE SR-14)

Light up the "AUTO TUN" indicator by pressing the **AUTO TUNING** button ⑰ and turn the **GYRO TUNING** knob ㉒.

AUTO TUNING (USING THE REMOTE CONTROL UNIT)

The **seek – / +** button is pressed for more than 1 second to start Auto tuning function.

(FM) MODE Button Operation

When "AUTO" indicator is on in the display, FM stations which broadcast in stereo will be received in stereo and the "STEREO" indicator lights.
When "AUTO" indicator is off, all the FM stations will be received in monaural regardless of whether or not they are broadcasting in stereo.

PRESET TUNING

With this unit you can preset up to 50 FM/AM (MW / LW) stations in any order. For each station, you can memorize the frequency and reception mode if desired.

1-a. Manual Presetting (Using the SR-14)

1. Refer to the "**MANUAL TUNING**" or "**AUTO TUNING**" section above to tune in a desired station.
2. Press the **MEMO** button ⑧. "MEMO" indicator starts blinking on the display. While "MEMO" is still blinking (approx. 5 seconds), select the preset number by turning the **GYRO TUNING** knob ㉒, then press the **MEMO** button again.
3. When a number has been properly input, "MEMO" indicator stops blinking and goes out. The station is now stored in the specified preset memory location.

1-b. Manual Presetting (Using the remote unit)

1. Tune in a desired station.
2. Press the **memo** button on page 2/3 at Tuner mode.
3. Enter the desired preset number with **ten keypad** on page 2/3 at Tuner mode.
   * When entering a single digit number (2, for example), either input "02" or just input "2" and wait for a few seconds.
   * If a number other than 1-50 is entered by mistake, that number flashes in the display to indicate that it is invalid and the display returns to the original frequency display.

2. Auto Presetting

This function automatically scans the LW, MW and FM band and enters all stations with proper signal strength into the memory.
This function is available only for SR-14.

1. Select the FM band with the **BAND** button ⑥.
2. Tune in the lowest receivable frequency.
3. While pressing the **MEMO** button ⑧, turn the **GYRO TUNING** knob ㉒ to up. Auto memory starts at this point.

4. "MEMO " will blink on the display.
5. Each time the tuner finds a station, the scanning will pause and the station will be played for five seconds. During this time, the following operations are possible:
   1) The band can be changed using the **BAND** button ⑥.
   2) The mode can be changed using the **FM MODE** button ⑦.
6. If no button is pressed during this period, the current frequency is preset in location CH-2. If you wish to skip the current station, turn the **GYRO TUNING** knob ㉒ during this period, the current frequency is skipped and auto presetting continues.
7. Operation stops automatically when all 50 preset memory positions are filled or when auto scanning attains the highest end of all bands. To stop the auto preset function at anytime, press the **CL** (CLEAR) button ⑨.

3. Recalling a Preset Station

1. Press the **PRESET** button ⑱ to change the display to preset.
2. Select the desired preset station by turning **GYRO TUNING** knob ㉒ on the front panel or press **preset – / +** button on page 1/3 at Tuner mode on the remote.

Note;

Direct selection method using the ten keypad on the remote, select the desired preset station by entering one or two digits using the ten keypad on page 2/3 at Tuner mode on the remote. To return to the Manual Tuning mode, press the **AUTO TUNING** button ⑰.

4. Preset Scan Tuning (Using the remote control unit)

1. Press the **scan** on page 3/3 at Tuner mode on the remote. "P-SCAN" indicator blinks in the display. (The preset station with the smallest preset number is recalled first. If no stations have been preset, CH "00" blinks in the display and the unit returns to the previous mode.)
2. Preset stations are recalled in sequence (CH-1 › CH-2, etc.) for 5 seconds each. Preset numbers that do not contain stations are skipped.
3. You can fast forward the preset stations by pressing the **preset +** button continuously. When the desired preset station is received, cancel the preset scan operation by pressing the **preset –** button or the **scan** button or **clear** button.

5. Clearing Preset Stations

You can remove preset stations from memory using the following procedure.

1. Recall the preset number to be cleared with the method described in "Recalling" a preset station .
2. Press the **MEMO** button ⑧ on the front panel or **memo** button on page 2/3 at Tune mode on the remote unit, "MEMO" blinks in the display for 5 seconds. While "MEMO" is still blinking, press the **CL** (CLEAR) button ⑨ on the front panel or **clear** button on page 2/3 at Tuner mode on the remote unit. "CLEAR" appears on the display to indicate that the specified preset number has been cleared.

STATION NAME PRESET

The station name preset function allows the name of each preset channel to be entered using alphanumeric characters. The Station Name button is valid only in the tuner mode. Before station name preset operation, store stations with the preset memory operation.

1. Press the **MEMO** button ⑧ on the front panel or **memo** button on page 2/3 at Tune mode on the remote for more than 3 seconds.
2. The left most column of the station name indicator flashes, indicating the character entry ready status.

[Operation (Using the SR-14)]

3. When the **GYRO TUNING** knob ㉒ is turned, alphabetic and numeric characters will be displayed in the following order:

   A → B → C ...Z → 1 → 2 → 3..... 0 → – → + → / → (Blank) → A
   UP →
   ← DOWN

4. After selecting the first character to be entered, press the **MEMO** button ⑧. The entry in this column is fixed and the next column starts to flash. Fill the next column and press the **MEMO** button ⑧ for more than 1 second to confirm the entry.

Note:

Unused columns should be filled by entering blanks.

[Operation (Using the remote unit)]

3. Enter the character using the ten keypad on page 2/3 at Tuner mode. For example, to enter "A":
   1) Press the "1" button. "A" appears on the display column.
   2) Every time the 1 button is pressed, the displayed character changes in the order: A → B → C → 1 → A...
   Pressing buttons other than the "1" button cause different characters to be displayed in a similar way, so that other alphanumeric characters can be entered. To enter a blank or space, press the "9" button.
4. When the desired character is displayed, press the **memo** button on page 2/3 at Tuner mode to confirm the entry in this column and move to the next column. After having filled all of the 8 columns, press the **memo** button, or more than 1 second to confirm the entry.

RDS OPERATION

Now in use in many countries, RDS (Radio Data System) is a description of the station's programming hidden space in the FM signal.
Your new receiver is equipped with RDS to assist in the selection of FM stations using station and network names, rather than broadcast frequencies. Additional RDS functions include the ability to search for programme types.

RADIO TEXT

Some RDS stations broadcast RADIOTEXT, which is additional information on the station and programme being broadcast.
RADIOTEXT information appears as 'running' text in the display. RADIOTEXT is transmitted character-by- character by the radio station. As a result of that it may take some time until the entire text has been completely received.

RDS DISPLAY

When a receiver is tuned to an FM station that is transmitting RDS data, the Front Panel Information Display will automatically show the station name or RDS TEXT in place of the typical display of the station's broadcast frequency.
To change the display, press the remote unit **RDS/DISP** button on page 3/3 at TUNER mode.

PS (Program Service Name) ⟶ RT (RADIO TEXT) ⟶ Frequency
↑ ⟵ ⟵ ⟵

NUMBER	DISPLAY	PROGRAMME TYPE
1	POP	Pop Music
2	ROCK	Rock Music
3	MOR	M. O. R. Music
4	LIGHT	Light classical
5	CLASSIC	Serious classical
6	NEWS	News
7	AFFAIR	Current Affairs
8	INFO	Information
9	SPORT	Sport
10	EDUCATE	Education
11	DRAMA	Drama
12	CULTURE	Culture
13	SCIENCE	Science
14	OTHERS	Varied
15	OTHER	Other Music
16	WEATHER	Weather
17	FINANCE	Finance
18	CHILDREN	Children's programmes
19	SOCIAL	Social Affairs
20	RELIGION	Religion
21	PHONE IN	Phone In
22	TRAVEL	Travel
23	HOBBIES	Hobbies
24	JAZZ	Jazz Music
25	COUNTRY	Country Music
26	NATION	National Music
27	OLDIES	Oldies Music
28	FOLK	Folk Music
29	DOCUMENT	Documentary

PLAYBACK OPERATION

NORMAL PLAYBACK

1. Press the POWER ON button on the remote.
2. Turn the **INPUT SELECTOR** ㉑ on the front panel or press the **FUNCTION** buttons on page 1/7 at PreAmp mode on the remote unit to select an input source.
3. Press the **Surround mode** buttons ③ on the front panel or **SURROUND** mode buttons page 3/7 at PreAmp mode on the remote unit to select the desired surround mode.
4. Adjust the volume level using the **VOLUME** knob ⑯ on the front panel or press the **VOLUME + / –** buttons on the remote. If necessary, adjust the tone using the **bass** and **treble** buttons on page 7/7 at PreAmp mode on the remote unit.

Note:

In case of remote control operation, press one of the function buttons twice within 2 seconds to select the function.

LISTENING TO A DIFFERENT AUDIO SOURCE WHILE WATCHING A VIDEO SOURCE (Using the remote control unit)

1. Select one of the following video sources TV, LD, DVD, VCR1, DSS/VCR2 or AUX.
2. Next, select one of the following audio sources FM, AM, CD, TAPE, or CDR/MD.

ENGLISH

OTHER FUNCTIONS

MULTI ROOM SELECTOR

The Multi Room Selector is a function which allows you to listen to the same or a different source in a room other than the room in which the SR-14 is located. To use this function, a multi room remote unit and remote control signal receiver available from your Marantz dealer are necessary. The operations possible with the multi room function are explained briefly below. For details, refer to the instruction manual supplied with the multi room remote control unit and receiver.

MULTI ROOM SELECTOR OPERATION

1. Press the **MULTI** button ⑲. The unit enters multi room mode and the display indicates "SEL SOURCE" and flashes the "MULTI" indicator for approx. 10 seconds. In this time, you can select the input source by turning the **INPUT SELECTOR** knob ㉑.
2. Then, the display indicates "MULTI VOL" "VOLUME xx dB" for approx. 5 seconds. During this time, you can set the volume level for the multi room operation. This will only set the volume in the other room.

MULTI ROOM SELECTOR OPERATION (USING THE MULTI ROOM REMOTE CONTROL UNIT)

1. Press the **multi room on/off** button on page 5/7 at PreAmp mode, the POWER ON button, or select the desired source on multi room remote control unit from the MULTI ROOM. Any of these operations will put the SR-14 into multi room mode and "MULTI" will light in the display.
2. Press the **VOLUME +** or **VOLUME –** button on the multi room remote control unit to set the desired sound volume.
3. In multi room mode, the multi room remote control unit can be used in the multi room to operate the following functions.
   You can select a tuner preset channel and tuning up or down, and direct selection. And you can control the CD player LD player, DVD player and tape deck connected to the SR-14.

Caution:

Multi room mode can only be selected when the SR-14 **POWER** switch ① is turned on.
If the main room is active (not standby mode), you cannot select a radio band except the band of the main room. For example; if the FM band is selected in the main room, you cannot select the AM band in the multi room.
The operating procedure for this is the same as the Multi-room operations using the remote unit.

DIALOGUE NORMALIZATION MESSAGE

Dialogue Normalization (Dial Norm) is a feature of Dolby Digital.
When playing back software which has been encoded in Dolby Digital, sometimes you may see a brief message in the front panel display which will read "Dial Norm X dB" (X being a numeric value).
Dialogue Normalization serves to let you know if the source material has been recorded at a higher or lower level than usual. For example, if you see the following message: "Dial Norm + 4 dB" in the front panel display, to keep the overall output level constant just turn down the volume control by 4 dB. In other words, the source material that you are listening to has been recorded 4 dB louder than usual.
If you do not see a message or see "Dial Norm 0 dB" in the front panel display, then no adjustment of the volume control is necessary.

TV AUTO ON/OFF FUNCTION

This function allows the component connected to the TV IN jack to control the power (ON/OFF) to the SR-14.

AUTO POWER ON

1. Be sure TV auto mode is on. (Refer page 11 : System Setup 2/2)
2. Connect your TV TUNER (etc) to the TV IN terminal.
   Be sure to connect the video input.
3. Turn OFF the power to the TV TUNER and the SR-14.
4. Turn ON the TV TUNER and tune in a receivable station.
5. When the station is received, the SR-14 turns ON and TV is selected automatically.

AUTO POWER OFF

1. In the above situation, turn the TV TUNER OFF or select a channel that does not contain any broadcast.
2. The power to the SR-14 switches to STANDBY after approx. 5 minutes.

Note:

AUTO POWER OFF is canceled if the **INPUT SELECTOR** knob ㉑ is set to a source other than TV. The function reactivates when TV is selected again.

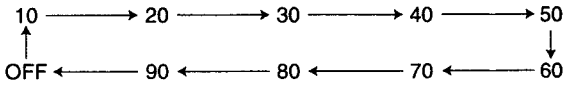
Caution:

Some TV broadcasts may cause the TV AUTO FUNCTION to turn ON. To set this function ON/OFF, refer to the SETUP MENU.

SETTING THE SLEEP TIMER (ONLY REMOTE CONTROL UNIT)

Set the sleep timer while the power is turned on.

1. Turn the power ON and press the **sleep** button on page 5/7 at PreAmp mode.
   "SLEEP" blinks on the display.
2. Press the **sleep** button the number of times to set the desired sleep time.
   Each press of the **sleep** button changes the display in the following order:



"SLEEP" stops blinking and lights steadily.

* While the sleep timer is activated, the remaining time can be displayed for approx. 2 seconds by pressing the **sleep** button.

* To cancel the sleep timer, press the **sleep** button and then press the **clear** button.

SURROUND MODES

The SR-14 incorporates digital signal processors (DSP) which can reproduce various surround effects you experience in concert halls and movie theaters, etc. Nine Surround Modes, are provided to reproduce a variety of surround sound effects, according to the content of the source to be played.

ENGLISH

	FEATURES
1. STEREO	This mode disables all surround processing. Left and right channels play as is when PCM-audio or analog stereo is input. Even when playing multi-channel encoded Dolby Digital and DTS sources, the multi-channels are mixed down to two channels, left and right, before being output.
2. MONO	This mode is intended for use with old movies, televisions shows and other programs that have a monaural sound track. All sound will be reproduced through the center channel speaker, if installed. Even when playing multi-channel encoded Dolby Digital and DTS sources, the multi-channels are mixed down to monaural channel, center, before being output. If there is no center speaker, monaural sound is reproduced from the front left and right speakers. However output will be muted when 96 kHz PCM signal is input.
3. DOLBY	This mode is enabled when playing source materials encoded in Dolby Digital and Dolby Surround. Playing multi-channel encoded 5.1-channel Dolby Digital sources provides five main audio channels (left, center, right, surround left and surround right) and Low Frequency Effect channel. Dolby Pro Logic processing is performed on Dolby Surround encoded two channel signals (Dolby Digital two channels, PCM-audio and Analog stereo). This allows play of the four discrete channels (left, center, right and surround). **Note:** PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz. However output will be muted when 96 kHz PCM signal or DTS signal are input.
4. DTS (Cinema) (Music)	This mode is valid only for DTS digital signal input and from DTS encoded source materials such as LASER DISC, CD, and DVD. Playing 5.1-channel multi-channel encoded DTS sources provides five main audio channels (left, center, right, surround left and surround right) and the Low Frequency Effect channel. On DTS Music mode, LFE signal is reduced by 10 dB. If you playback DTS music material, you should select the DTS Music. When a signal in another format is input, output will be muted. This mode cannot be used when Analog input has been selected.
5. MOVIE HALL MATRIX	These modes provide surround effect processing in addition to Dolby Digital, DTS and Pro Logic decoding. They will produce theater-, concert-hall- and stadium-like atmospheres. Select as your taste requires. **Note:** PCM-audio signals can be processed in this mode when sampling frequency is 32 kHz, 44.1 kHz or 48 kHz. The 96 kHz. sampling frequency mutes output.
6. THX CINEMA	THX Cinema surround mode applies additional processing to Dolby Digital, DTS, and Dolby Pro Logic multi-channel surround sources. The THX processing was developed by Lucasfilm Ltd. to recreated the sound of top-quality theater. Use the THX Cinema mode for all movies on disc, tape or broadcast. **Note:** PCM-audio signals can be subjected to THX processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz. However output will be muted when 96 kHz PCM signal is input.
7. AUTO	When this mode is selected, the program automatically switches playback mode according to type of digital input signal and then determines whether the digital input signal is Dolby Digital, PCM-audio or DTS to play the corresponding sound. When a Dolby Digital or DTS signal is input, the number of channels for which the corresponding signal is encoded will be played. **Note:** Inputting a Dolby Digital two channel signal with Dolby surround status automatically subjects that signal to Pro Logic processing before play. Inputting a PCM-audio signal plays stereo.

Caution for DTS signal:
This signal can be played when the connected DVD-player, laser-disc player or CD-player is capable of DTS-digital output. For details, refer to the player's operation manual.

Depending on the player used, DTS play may produce noise. If that happens, set the Surround mode to DTS.

Playing a DTS-CD or DTS laser disc causes the player's analog output terminal to output noise. Before playing DTS sources, be sure to connect the player's digital output to SR-14's digital input. Be careful when connecting the output of these players to analog audio input.
Note that SR-14 has the following restrictive functions built in to reduce noise emission as much as possible.
If DTS is selected while in the Surround mode, digital input cannot be switched to analog input. When the analog input function has been selected, Surround mode cannot be switched to DTS.
While signals from DTS-laser disc or CD are playing in another Surround mode, you cannot switch to digital input or from digital input to analog input.

Caution for 96kHz PCM-audio signal:
This signal can be played when a DVD-player or DAT-player connected to SR-14 is capable of 96 kHz PCM output. For details, refer to the player's operation manual.
The signal can be played when STEREO or AUTO has been selected for the Surround mode.
Some DVD formatted discs featured copy protect. When using such disc, 96 kHz PCM signal is not output from the DVD player. For details, refer to the player's operation manual.

ENGLISH

The relation between the selected surround mode and the input signal

The surround mode is selected with the surround mode buttons on SR-14 or the remote control unit. However, the sound you hear is subject to the relationship between the selected surround mode and input signal. That relationship is as follows;

Set Mode	Input Signal	Bass manager	Output				Fluorescent Indicator			LED Indicator	
			L/R	LS/RS	C	SW	Encoded	Mode	other status	Ch. Status	other
AUTO	Dolby Digital (5.1 ch)	O	O	O	O	O	DD	D-Digital, Auto	-	3/2.1	-
	Dolby Digital (2 ch)	O	O	-	-	O	DD	D-Digital, Auto	-	2/0	-
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	O	DD	Pro Logic, Auto	-	2/1	-
	PCM-audio (Fs=96k)	-	O	-	-	O	PCM	Stereo, Auto	-	2/0	96kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	O	O	-	-	O	PCM	Stereo, Auto	-	2/0	-
	DTS (5.1 ch)	O	O	O	O	O	DTS	Auto	-	3/2.1	dts, cinema
	Analog	-	O	-	-	O	-	Stereo, Auto	-	-	-
DOLBY	Dolby Digital (5.1 ch)	O	O	O	O	O	DD	D-Digital	-	3/2.1	-
	Dolby Digital (2 ch)	O	O	O	O	O	DD	Pro Logic	-	2/1	-
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	O	DD	Pro Logic	-	2/1	-
	PCM-audio (Fs=96k)	-	-	-	-	-	(PCM)	D-Digital	-	-	96kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	O	O	O	O	O	PCM	Pro Logic	-	2/0	-
	DTS (5.1 ch)	-	-	-	-	-	(DTS)	D-Digital	No data	-	-
	Analog	O	O	O	O	O	-	Pro Logic	-	-	-
THX Cinema	Dolby Digital (5.1 ch)	O	O	O	O	O	DD	D-Digital, THX cinema	-	3/2.1	-
	Dolby Digital (2 ch)	O	O	O	O	O	DD	Pro Logic, THX cinema	-	2/1	-
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	O	DD	Pro Logic, THX cinema	-	2/1	-
	PCM-audio (Fs=96k)	-	-	-	-	-	(PCM)	THX cinema	-	-	96 kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	O	O	O	O	O	PCM	Pro Logic, THX cinema	-	2/0	-
	DTS (5.1 ch)	O	O	O	O	O	DTS	THX cinema	-	3/2.1	dts, cinema
	Analog	O	O	O	O	O	-	Pro Logic, THX cinema	-	-	-
DTS Cinema	Dolby Digital (5.1 ch)	-	-	-	-	-	(DD)	-	No data	-	dts, cinema
	Dolby Digital (2 ch)	-	-	-	-	-	(DD)	-	No data	-	dts, cinema
	Dolby Digital (2 ch: Lt/Rt)	-	-	-	-	-	(DD)	-	No data	-	dts, cinema
	PCM-audio (Fs=96k)	-	-	-	-	-	(PCM)	-	No data	-	96kHz, dts, cinema
	PCM-audio (Fs=32k, 44.1k, 48k)	-	-	-	-	-	(PCM)	-	No data	-	dts, cinema
	DTS (5.1 ch)	O	O	O	O	O	DTS	-	-	3/2.1	dts, cinema
	Analog	-	-	-	-	-	-	-	-	-	dts, cinema
DTS Music	Dolby Digital (5.1 ch)	-	-	-	-	-	(DD)	-	No data	-	dts, music
	Dolby Digital (2 ch)	-	-	-	-	-	(DD)	-	No data	-	dts, music
	Dolby Digital (2 ch: Lt/Rt)	-	-	-	-	-	(DD)	-	No data	-	dts, music
	PCM-audio (Fs=96k)	-	-	-	-	-	(PCM)	-	No data	-	96kHz, dts, music
	PCM-audio (Fs=32k, 44.1k, 48k)	-	-	-	-	-	(PCM)	-	No data	-	dts, music
	DTS (5.1 ch)	O	O	O	O	O	DTS	-	-	3/2.1	dts, music
	Analog	-	-	-	-	-	-	-	-	-	dts, music
HALL MATRIX MOVIE	Dolby Digital (5.1 ch)	O	O	O	O	O	DD	Movie, Hall or Matrix	-	3/2.1	-
	Dolby Digital (2 ch)	O	O	O	O	O	DD	Movie, Hall or Matrix	-	2/0	-
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	O	DD	Movie, Hall or Matrix	-	2/0	-
	PCM-audio (Fs=96k)	-	-	-	-	-	(PCM)	Movie, Hall or Matrix	-	-	96 kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	O	O	O	O	O	PCM	Movie, Hall or Matrix	-	2/0	-
	DTS (5.1 ch)	O	O	O	O	O	DTS	Movie, Hall or Matrix	-	3/2.1	-
	Analog	O	O	O	O	O	-	Movie, Hall or Matrix	-	-	-
STEREO	Dolby Digital (5.1 ch)	O	O	-	-	O	DD	STEREO	-	3/2.1	-
	Dolby Digital (2 ch)	O	O	-	-	O	DD	STEREO	-	2/0	-
	Dolby Digital (2 ch: Lt/Rt)	O	O	-	-	O	DD	STEREO	-	2/0	-
	PCM-audio (Fs=96k)	-	O	-	-	O	PCM	STEREO	-	2/0	96 kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	O	O	-	-	O	PCM	STEREO	-	2/0	-
	DTS (5.1 ch)	O	O	-	-	O	DTS	STEREO	-	3/2.1	-
	Analog	O	O	-	-	O	-	STEREO	-	-	-
MONO	Dolby Digital (5.1 ch)	O	-	-	O	O	DD	MONO	-	3/2.1	-
	Dolby Digital (2 ch)	O	-	-	O	O	DD	MONO	-	2/0	-
	Dolby Digital (2 ch: Lt/Rt)	O	-	-	O	O	DD	MONO	-	2/0	-
	PCM-audio (Fs=96k)	-	-	-	-	-	(PCM)	MONO	-	-	96 kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	O	-	-	O	O	PCM	MONO	-	2/0	-
	DTS (5.1 ch)	O	-	-	O	O	DTS	MONO	-	3/2.1	-
	Analog	O	-	-	O	O	-	MONO	-	-	-
S-Direct	Dolby Digital (5.1 ch)	-	-	-	-	-	(DD)	"DIRECT",STEREO	no audio	-	-
	Dolby Digital (2 ch)	-	-	-	-	-	(DD)	"DIRECT",STEREO	no audio	-	-
	Dolby Digital (2 ch: Lt/Rt)	-	-	-	-	-	(DD)	"DIRECT",STEREO	no audio	-	-
	PCM-audio (Fs=96k)	-	O	-	-	-	PCM	"DIRECT",STEREO	-	2/0	96 kHz
	PCM-audio (Fs=32k, 44.1k, 48k)	-	O	-	-	-	PCM	"DIRECT",STEREO	-	2/0	-
	DTS (5.1 ch)	-	-	-	-	-	(DTS)	"DIRECT",STEREO	no audio	-	-
	Analog	-	O	-	-	-	-	"DIRECT",STEREO	-	-	-

Note: Dolby Digital (2 ch: Lt/Rt): signal with Dolby Surround flag.

L/R : Front speaker
LS/RS: Surround speaker
C : Center speaker
SW : Sub woofer speaker

( ): The indicator blinks

TROUBLESHOOTING

In case of trouble, check the following before calling for service:

1. Are the connections made properly ?
2. Are you operating the unit properly following user's guide ?
3. Are the power amplifiers and speaker working properly ?

If the unit does not operate properly, check items shown in the following table.
If your trouble cannot be recovered with the remedy actions listed in the following table, malfunction of the internal circuitry is suspected; immediately unplug the power cable and contact your dealer, nearest Marantz distributor or the Marantz Service Center in your country.

ENGLISH

SYMPTOM	CAUSE	REMEDY
SR-14 cannot be turned up.	The power plug is not connected.	Connect the power plug to the outlet.
No sound and picture are output even when power is on.	Mute is on. The input cable is not connected correctly. The master volume control is turned all the way down. The function selector position is wrong.	Cancel mute using the remote control unit. See the connection diagram and connect the cables correctly. Adjust the master volume. Select correct position.
Speaker not outputting any sound.	The headphones are connected to the headphone jack.	Disconnect the headphones. (Speakers will not output sound when headphones are connected.)
Sound and pictures from other than equipment selected with the function selector.	Input cable connected incorrectly.	Connect the cable correctly by referring to the connection diagram.
Sound from the wrong channel is output from the speaker.	Speaker cable connected incorrectly.	Connect the cable correctly by referring to the connection diagram.
No sound is output from the center speaker.	The center speaker cable connection is incomplete. STEREO has been selected for Surround mode. Center = NONE has been selected in SETUP mode.	Connect the cable correctly. When STEREO is selected for Surround mode, no sound will be output from the center speaker. Set another Surround mode. Make the correct setting.
No sound is output from the surround speaker.	The surround speaker cable connection is incomplete. STEREO has been selected for Surround mode. Surround = NONE has been selected in SETUP mode.	Connect the cable correctly. When STEREO has been selected for Surround mode, no sound will be output from the surround speaker. Set another Surround mode. Make the correct setting.
No output to Sub Woofer Out.	Sub-woofer = NONE has been selected in SETUP mode.	Select Sub-woofer = YES.
Surround mode cannot be changed.	The headphones are connected to the jack.	Disconnect the headphones. (When headphones are connected, Surround mode will be fixed to STEREO.)
Noise is produced during DTS-encoded CD or laser disc play.	Analog has been selected for input.	Be sure to perform digital connection, select digital input, then play.
DTS sources cannot be played.	Surround mode is set to DOLBY. The DVD or LD player is not DTS digital out capable.	Select other mode. Use a player which responds to DTS-digital out.
Player skips during play of a DTS source and produces noise.	Data error occurred during player skip.	Set Surround mode to DTS-cinema or DTS-music..
A 96kHz PCM signal cannot be played.	The disc player is not 96kHz PCM digital out capable. Surround mode is set to other than STEREO and AUTO.	Use a player that responds to 96kHz PCM digital out. Set Surround mode to STEREO or AUTO.
A normal PCM signal (CD or laser disc) cannot be played.	Surround mode is set to DTS-cinema or DTS-music.	Select other mode.
A Dolby Digital signal cannot be played.	Surround mode is set to DTS-cinema or DTS-music.	Select other mode.
A specific channel does not produce output.	Nothing recorded on source.	Check the encoded channel on the source side.
FM or AM reception fails.	Antenna connection is incomplete.	Correctly connect the indoor FM and AM antennas to FM and AM antenna outlets.
Noise is heard during AM reception.	Reception is affected by other electrical fields.	Try changing location where the AM indoor antenna is set up.
Noise is heard during FM reception.	The radio waves from the broadcasting station are weak.	Install an FM outdoor antenna or use cable TV/FM.
Cannot get programmed station when the PRESET button is pressed.	Preset data has been erased.	Disconnecting power plug for long periods of time will erase preset data. If that happens, input the preset data again.
Nothing appears on the remote commander display.	Batteries are consumed.	Replace all the batteries with new ones.
Control with the remote control unit fails.	Batteries are consumed.. Remote controller's function-key setting is wrong. The distance between this SR-14 and the remote commander is too far. Something is blocking SR-14 and the remote commander.	Replace all the batteries with new ones.. Select different position from which equipment will be controlled. Move closer to this SR-14. Remove offending object.

GENERAL MALFUNCTION

If the equipment malfunctions, this may be because an electrostatic discharge or AC line interference has corrupted the information in the equipment memory circuits. Therefore:

- disconnect the plug from the AC line supply
- after waiting at least three minutes, reconnect the plug to the AC line supply
- re-attempt to operate the equipment

ERROR MESSAGES

When the display indicates some error messages (e.g. ERROR **), unplug the power cable immediately. Contact your dealer, nearest Marantz distributor or the Marantz service center in your area.

Memory backup

- In case a power outage occurs or the power cord is accidentally unplugged, the SR-14 is equipped with a backup function to prevent memory data such as the preset memory from being erased.
  The memory functions are backed up for up to about one week.

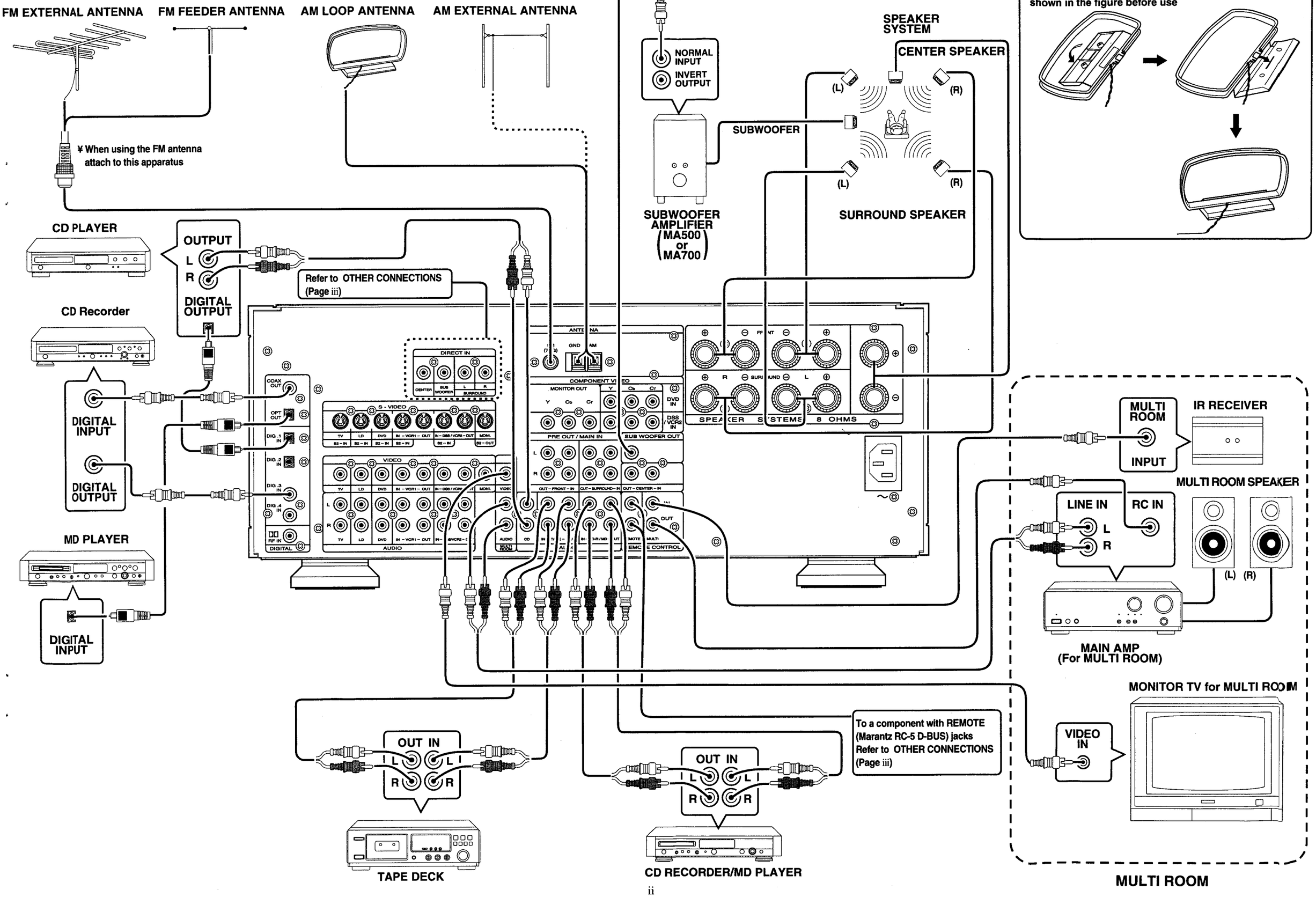
NOTE:

First of all keep SR-14 Standby or Powered-on more than six hours, to sufficient time for memory back up.

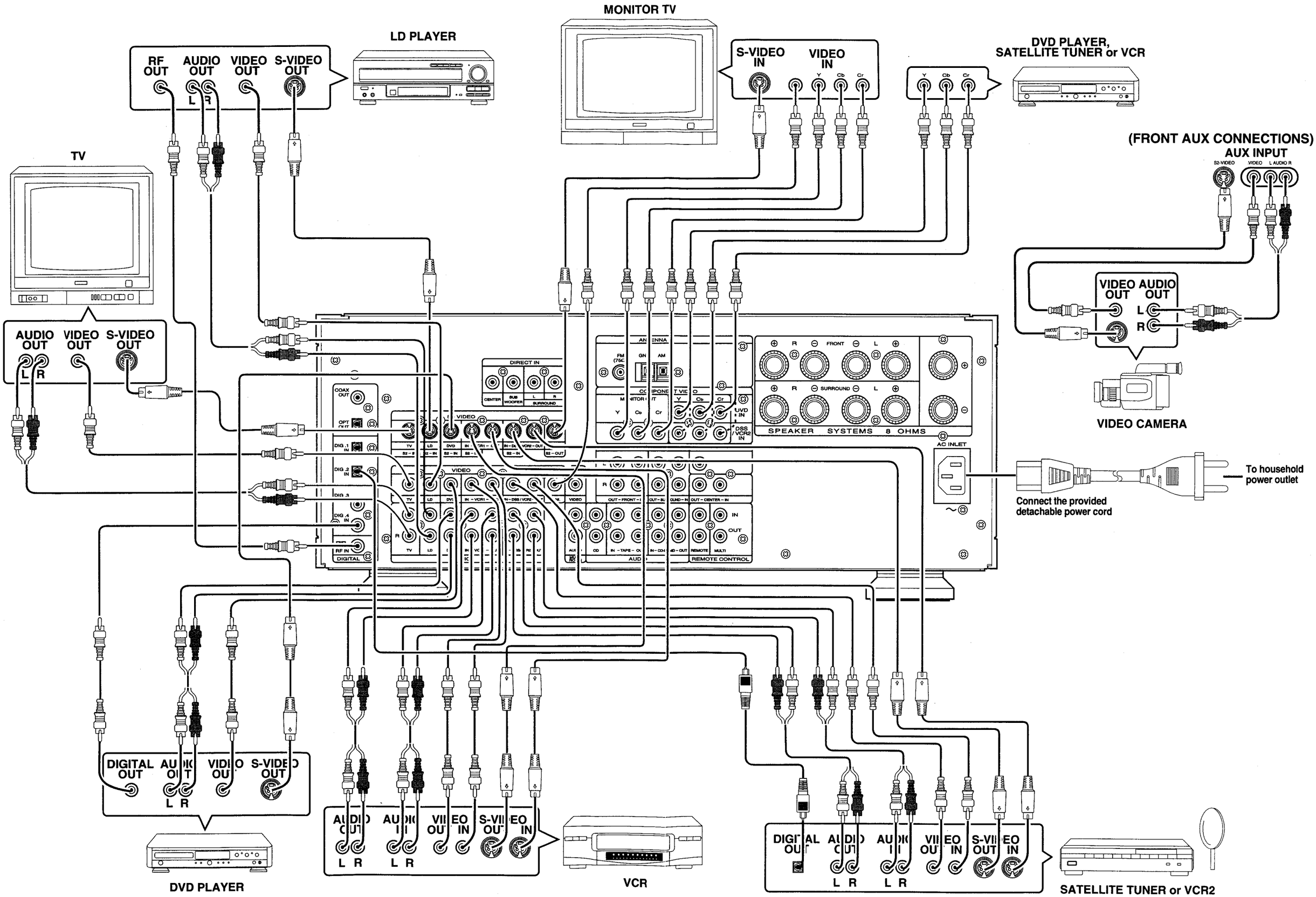
HOW TO RESET THE UNIT

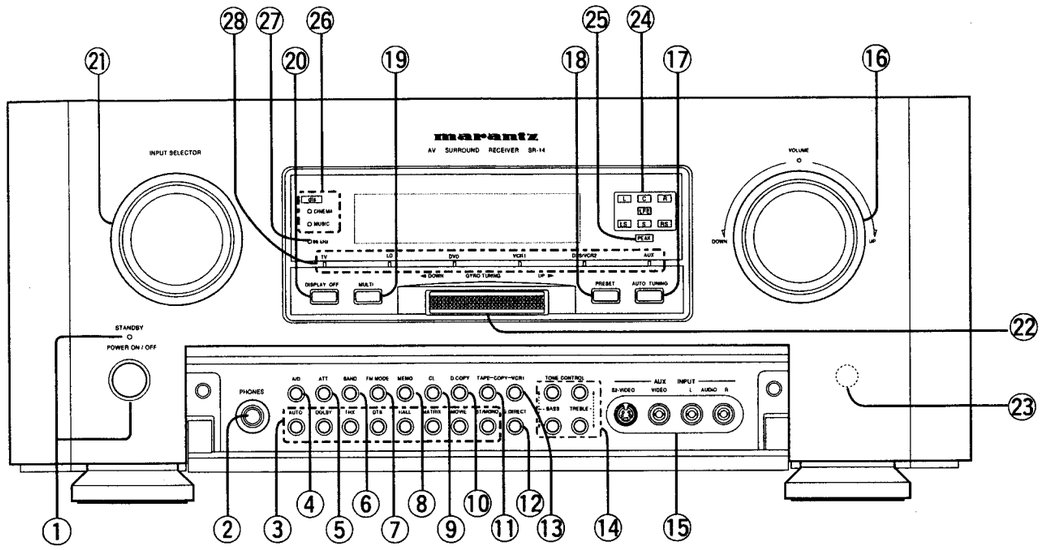
Should the operation or display seem to be abnormal, reset the unit with the following procedure.
The SR-14 is turned on, press and hold the **CL** (CLEAR) ⑨ and **DISPLAY OFF** ⑳ buttons simultaneously for 3 seconds or more.
Remember that the procedure will reset the settings of the function selector, Surround mode, delay time, TUNER PRESET etc., to their initial settings.

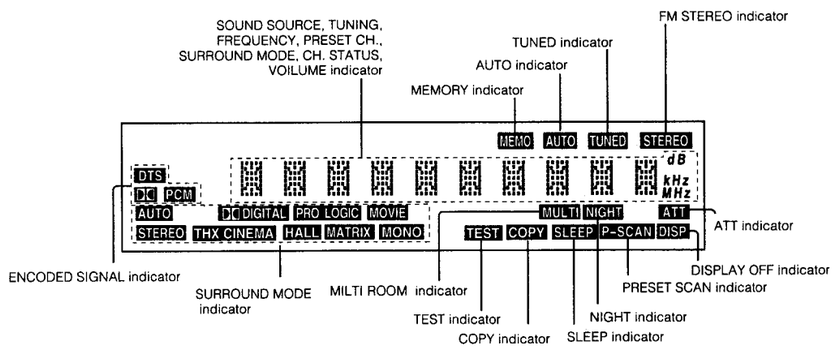
AUDIO SYSTEM CONNECTIONS FOR AUDIO COMPONENTS

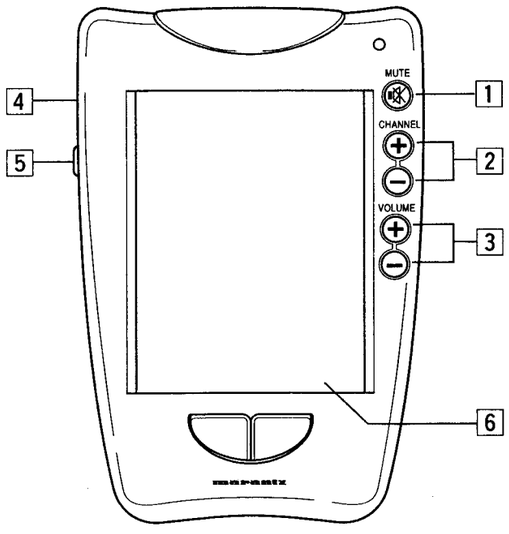


VIDEO SYSTEM CONNECTIONS FOR VIDEO COMPONENTS









CE MARKING

CE **English**
The SR-14 is in conformity with the EMC directive and low-voltage directive.

CE **Français**
Le SR-14 est conforme à la directive EMC et à la directive sur les basses tensions.

CE **Deutsch**
Das Modell SR-14 entspricht den EMC-Richtlinien und den Richtlinien für Niederspannungsgeräte.

CE **Nederlands**
De SR-14 voldoet aan de EMC eisen en de vereisten voor laag-voltage.

CE **Español**
El SR-14 está de acuerdo con las normas EMC y las relacionadas con baja tensión.

CE **Italiano**
Il SR-14 è conforme alle direttive CEE ed a quelle per i bassi voltaggi.

CE **Português**
O SR-14 conforma com as diretrizes EMC e de baixa voltagem.

CE **Svenska**
SR-14 är tillverkad i enlighet med EMC direktiven och direktiven för lågvoltsutrusning.

CE **Dansk**
Model SR-14 er i overensstemmelse med EMC-direktiveet og direktivet om lavspænding.

English
To ventilate the unit, do not install the unit in a rack or bookshelf, and note the followings.
- Do not touch the top of the enclosure during operation.
- Do not block the openings in the enclosure during operation.
- Do not insert objects beneath the unit.
- Do not block the ventilation slots at the top of the unit.
  Do not place anything about 1 meter above the top panel.
- Make a space of about 0.2 meter around the unit.

Français
Pour que l'appareil puisse être correctement ventilé, ne pas l'installer dans un meuble ou une bibliothèque et respecter ce qui suit.
- Ne pas toucher le dessus du coffret.
- Ne pas obstruer les ouïes de ventilation du coffret pendant le fonctionnement.
- Ne placer aucun objet sous l'appareil.
- Ne pas obstruer les ouäes de ventilation du panneau supérieur. Ne placer aucun objet à moins d'un mètre environ du panneau supérieur.
- Veiller à ce qu'aucun objet ne soit à moins de 0,2 mètre des côtés de l'appareil.

Deutsch
Um eine einwandfreie Belüftung des Geräts zu gewährleisten, darf das Gerät nicht in einem Gestell oder Bücherregal aufgestellt werden; die folgenden Punkte sind besonders zu beachten:
- Während des Betriebs das Oberteil des Gehäuses nicht berühren.
- Während des Betriebs die Öffnungen im Gehäuse nicht blockieren.
- Keine Gegenstände in das Gerät einführen.
- Die Belüftungsschlitze an der Oberseite des Geräts dürfen nicht blockiert werden. Darauf achten, daß über dem Gerät ein Freiraum von mindestens 1 meter vorhanden ist.
- Auf allen Geräteseiten muß ein Zwischenraum von ungefähr 0,2 meter vorhanden sein.

Nederlands
Installeer het toestel niet in een rek of boekenkast waar de ventilatie mogelijk wordt gehinderd. Let tevens op de volgende punten:
- Raak de bovenkant van het toestel niet aan als het in gebruik is.
- Blokkeer de openingen van het toestel niet als het in gebruik is.
- Plaats geen onderwerpen onder het toestel.
- Blokkeer de ventilatie-openingen aan de bovenkant van het toestel niet. Zorg dat er tenminste 1 meter vrije ruimte boven het toestel is.
- Zorg dat er 0,2 meter vrije ruimte rond het toestel is.

Español
Para ventilar la unidad no la instale en una estantería ni estante para libros, y tenga en cuenta lo siguiente:
- No toque la parte superior de la caja durante el funcionamiento.
- No tape las ranuras en la caja durante el funcionamiento
- No ponga objetos debajo de la unidad.
- No tape las ranuras de ventilación de la parte superior de la unidad. No ponga nada a menos de 1 metro por encima del panel superior.
- Deje un espacio de unos 0,2 metro alrededor de la unidad.

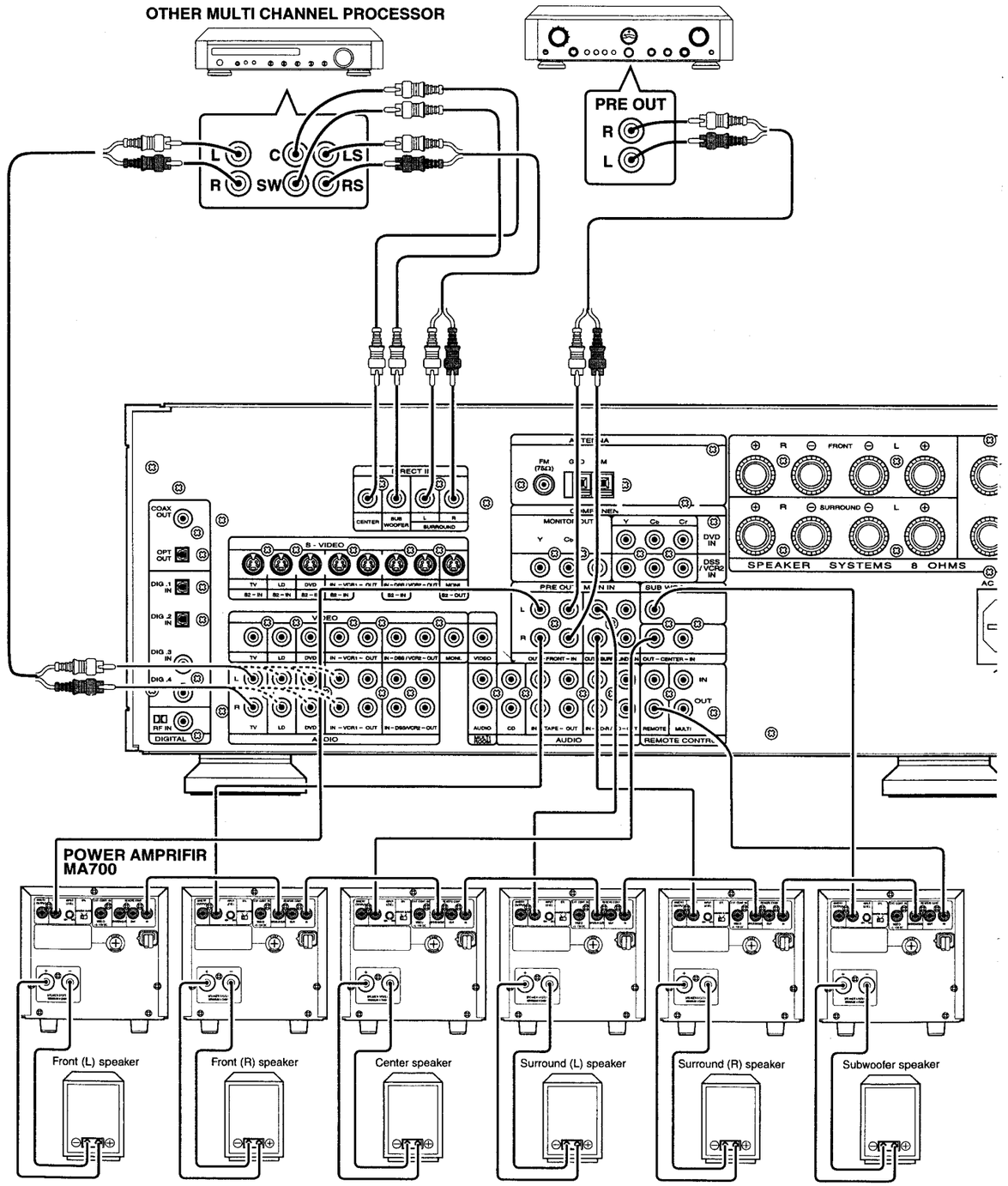
Italiano
Perch é l'unità possa essere sempre ben ventilata, non installarla in scaffali o librerie e tenere presente quanto segue.
- Non toccare la parte superiore del rivestimento durante il funzionamento.
- Non bloccare le aperture sul rivestimento durante il funzionamento.
- Non inserire oggetti al di sotto dell'unità.
- Non bloccare le fessure di ventilazione sopra l'unità.
  Non posare nulla per circa un metro sopra il pannello superiore.
- Lasciare 0,2 metro liberi tutto intorno l'unità.

Português
Para ventilar o aparelho, não instalá-lo dentro duma estante ou algo similar, e observar as seguintes recomendações:
- Não tocar a parte superior do aparelho durante a operação.
- Não bloquear as aberturas do aparelho durante a operação.
- Não insertar objectos debaixo do aparelho.
- Não bloquear as aberturas de ventilação na parte de cima do aparelho. Deixar um espaço completamente livre de cerca de 1 metro acima do painel superior.
- Deixar um espaço de cerca de 0,2 metro ao redor do aparelho.

Svenska
För att ventilera enheten, ställ den inte i ett ställ eller bokhylla och tänk på följande.
- Vidrör inte ytterhöljets ovansida under pågående drift.
- Blockera inte öppningarna i ytterhöljet under pågående drift.
- Stick inte in föremål under enheten.
- Blockera inte ventialtionshålen ovanpå enheten.
  Placera inte någonting närmare än 1 meter ovanför apparaten eller enheten.
- Se till att det finns omkring 0,2 meter fri plats runt omkring enheten.

Dansk
Anbring ikke apparatet i et rack eller en boghylde, da dette kan blokke luftcirkulationen omkring apparatet. Iagttag ligeledes følgende:
- Berør ikke oversiden af kabinettet under anvendelsen.
- Bloker ikke åbningerne i kabinettet under anvendelsen.
- Stik ikke genstande ind under apparatet.
- Bloker ikke ventilationsåbningerne ovenpå apparatet.
  Anbring ikke noget nærmere end 1 m over apparatets overside,
- Sørg for, at der er et frit område på omkring 0,2 m omkring apparatet.

OTHER CONNECTIONS



TECHNICAL SPECIFICATIONS

FM TUNER SECTION

Frequency Range	87.5 - 108.0 MHz
Usable Sensitivity	IHF 1.8 µV/16.4 dBf
Signal to Noise Ratio	Mono/Stereo 76/72 dB
Distortion	Mono/Stereo 0.2/0.3 %
Stereo Separation	1 kHz 45 dB
Alternate Channel Selectivity	± 300 kHz 60 dB
Image Rejection	98 MHz 70 dB
Tuner Output Level	1 kHz, ± 40 kHz Dev 800 mV

AM TUNER SECTION

Frequency Range	MW 531 - 1602 kHz, LW 152 - 282 kHz,
Signal to Noise Ratio	50 dB
Usable Sensitivity	Loop 400 µV
Distortion	400 Hz, 30 % Mod. 0.5 %
Selectivity	± 18 kHz 60 dB

AUDIO SECTION

Power Output (EIAJ)	
FRONT (1 kHz)	8 ohms 140 W / Ch
Center (1 kHz)	8 ohms 140 W / Ch
Surround (1 kHz)	8 ohms 140 W / Ch
Phones (20 Hz - 20 kHz)	120 ohms 1W/Ch
THD Front (20 Hz - 20 kHz)	8 ohms 0.05 %
Input Sensitivity/Impedance	
Linear	350 mV/ 47 Kohms
Signal to Noise Ratio	
Linear	105 dB

VIDEO

Television Format	NTSC or PAL
Input Level/Impedance	1 Vp-p/75 ohms
Output Level/Impedance	1 Vp-p/75 ohms
Video Frequency Response	5 Hz to 8 MHz (– 1 dB)
S/N	60 dB

GENERAL

Power Requirement	AC 230 V 50 Hz
Power Consumption (STEREO MODE RATED POWER)	470 W
Dimension (MAX)	
Width	458 mm
Height	190 mm
Depth	496 mm
Weight	26.5 Kg

ACCESSORIES

Remote Control Unit RC500	1
AA-size batteries	4
FM Feeder Antenna	1
AM Loop Antenna	1

Specifications subject to change without prior notice.